

# Montana Rural Passenger Needs Study

## **Final Report**

Prepared for:

Montana Department of Transportation 2701 Prospect Avenue Helena, MT 59620 406/444-7226

Prepared by:

LSC Transportation Consultants, Inc. 101 North Tejon Street, Suite 200 Colorado Springs, CO 80903 719/633-2868

In Association With:

SG Associates, Inc. 4200 Daniels Avenue Annandale, VA 22003 703/750-3363

LSC #996270

March 2, 2001

## **TABLE OF CONTENTS**

<u>Cha</u>	pter Titl	e	Pag€
I	INTRODUCTION		I_1
1	Purpose of Study		
	Study Approach		
	Key Definitions		
	Overview of Report		
	Literature Review		
	Advisory Committee		
II	DEFINITION OF TRANSIT NEEDS		II-1
	Introduction		II-1
	Mobility Gap Methodology		II-2
	Household Trip Rates		II-2
	Mobility Gap Calculations		II-3
	Disabled Population Needs Methodolog	3y	II-8
	Program Trips		II-9
	Summary		II-10
III	DEMOGRAPHIC DATA COLLECTION		III-1
	Introduction		III-1
	1990 Census of Population and Housin	ng	III-1
	1990 Census Transportation Planning	Package	III-11
	1998 Population Projections		III-19
	Future Population Projections		III-19
IV	DATA COLLECTION		IV-1
	Introduction		IV-1
	Survey Development and Distribution.		IV-6
V	COUNTY PROFILES		V-1
	Beaverhead County		V-2
	Big Horn County		V-3
	Blaine County		V-4
	Broadwater County		V-5
	Carbon County		V-6
	Carter County		V-7

Cascade County	V-8
Chouteau County	V-9
Custer County	V-10
Daniels County	V-11
Dawson County	V-12
Deer Lodge County	V-13
Fallon County	V-14
Fergus County	V-15
Flathead County	V-16
Gallatin County	V-17
Garfield County	V-18
Glacier County	V-19
Golden Valley County	V-20
Granite County	V-21
Hill County	V-22
Jefferson County	V-23
Judith Basin County	V-24
Lake County	V-25
Lewis and Clark County	V-26
Liberty County	V-27
Lincoln County	V-28
Madison County	V-29
McCone County	V-30
Meagher County	
Mineral County	
Missoula County	V-33
Musselshell County	
Park County	
Petroleum County	
Phillips County	
Pondera County	
Powder River County	
Powell County	
Prairie County	
Ravalli County	
Richland County	
Roosevelt County	
Rosebud County	
Sanders County	
Sheridan County	
Silver Bow County	
Stillwater County	
Sweet Grass County	
Teton County	
	7 01

	Toole County	V-52
	Treasure County	V-53
	Valley County	V-54
	Wheatland County	V-55
	Wibaux County	V-56
	Yellowstone County	V-57
VI	TRANSIT AGENCY PROVIDERS	VI_1
VI	Blackfeet Transit, Blackfeet Nation	
	Butte-Silver Bow Transit System	
	Fergus County Council on Aging	
	Flathead Area IX Agency on Aging	
	Fort Peck Transportation System	
	Great Falls Transit	
	Helena Dial-A-Ride	
	MET Transit	
	Mountain Line	
	Powder River Transportation	
	Ravalli County Council on Aging	
	Valley County Transit	
	varies courtey transferment	71 10
VII	SOCIAL SERVICES SUMMARY	VII-1
	Highlights of the Findings	VII-1
	Conclusions	VII-5
	Detailed Summary of Findings	VII-5
	Social Service Agency Profile	VII-5
	Agency Type	VII-6
	Service Provided	VII-7
	Population Served	VII-7
	Number of Individuals Accessing Services	VII-8
	Extent Mobility-Impaired Population is Served	
	Type of Mobility Impairments	VII-8
	Incidence of Mobility Impairment	VII-9
	Transportation Used to Access Services	VII-9
	Use of Public Transportation to Access Services	VII-10
	Agency-Provided Transportation	VII-10
	Type of Transportation Provided	VII-10
	Cost to Participant	VII-11
	Funding Sources	VII-12
	Limitations	VII-12
	Public Transportation's Ability to Meet Needs	VII-14
	Transportation to Agency Services	VII-14
	Unmet Transportation Needs	VII-15
	Importance of Transportation Improvements	VII-15

Support for Increased Funding	VII-17
Conclusions	VII-18
Achievements, Inc.	VII-20
Angel Line	VII-21
Area VII A.A.A.	VII-22
Area IX Agency on Aging-Eagle Transit	VII-23
Beartooth Hospital & Health Center	VII-24
Belt Golden Agers	VII-25
Big Horn County Council on Aging	VII-26
Big Sandy Act, Inc.	VII-27
Big Sandy Senior Citizens Center	VII-28
Blackfeet Nursing Home	VII-29
Blackfeet Opportunities, Inc	VII-30
Bozeman Chapter of People First of Montana	VII-31
Bozeman Senior Center	VII-32
Bridger Golden Age Society	VII-33
Broadwater Health Center	VII-34
BSW, Inc	VII-35
BSW, IncDillon Division (Dillon Special Resources)	VII-36
Buffalo Hill Terrace	VII-37
Butte Convalescent Center	VII-38
Butte-Silver Bow County Council on Aging, Inc	VII-39
Central Montana Skilled Nursing Center	
Choteau Activities, Inc	
Choteau Senior Citizens	VII-42
Clark Fork Valley Hospital/Nursing Home	VII-43
Colonial Manor of Deer Lodge	
Community Hospital & Nursing Home of Anaconda	
Community Medical Center	
Crest Nursing Home	VII-47
Culbertson Senior Citizens Organization	
Dahl Memorial Health Care Hospital	
Darby Silver Tops	
Dawson County Urban Transportation District	
Disability Services for Students	
Eagle Mount	
Easter Seals/Goodwill	
Eastern Montana Industries	
Elderly Indian Program	VII-56
Fallon County Council on Aging	
Fallon Medical Complex	
Family Outreach, Inc	
Flathead Industries	
Fort Benton Golden Age Center	
Total Believit Golden Age Center	11 01

Friendship House	VII-62
G & L Transit	VII-63
Geraldine Senior Citizens	VII-64
Glendive Medical Center	VII-65
Glen-Wood, Inc.	VII-66
Golden Years	VII-67
Great Falls Senior Citizens Center	VII-68
Hamilton Senior Center	VII-69
Harlem Senior Citizens' Center	VII-70
Helena Industries	VII-71
Hi-Line Home Programs, Inc.	VII-72
Hollowtop Senior Center	VII-73
Hospitality House	VII-74
HRDC/Galavan	VII-75
Judith Basin Senior Citizens Center	VII-76
Kootenai Senior Citizens Inc	VII-77
Lake County Council on Aging	VII-78
Lamplighter House-Western Montana Mental Health Center	
Libby Care Center	VII-80
Liberty County C.O.A.	VII-81
Liberty County Nursing Home & Assisted Living	VII-82
Lincoln Senior Center	VII-83
Little Bitterroot Services, Inc	VII-84
Lodge Grass Senior Citizens	VII-85
Malta Opportunities, Inc	VII-86
McCone County MAF & Nursing Home	VII-87
Mineral Community Nursing Home	VII-88
Mission Mountain Enterprises	VII-89
Mission Valley Senior Citizens	VII-90
Missoula Ravalli Transportation Management Association	VII-91
Missoula Senior Citizen's Association, Inc.	VII-92
Monarch-Neihart Senior Center	VII-93
Montana Association of the Deaf dba Montana Deaf and Hard	
of Hearing Services	VII-94
Montana Center of Disabilities	VII-95
Mountain View Care Center	VII-96
Mountain View Manor	VII-97
Mountain View Social Development Center	VII-98
Musselshell County Council on Aging	
New Horizons Unlimited, Inc	
North Valley Hospital	VII-101
North Valley Senior Center	
Northern Gateway-Conrad	
Northern Gateway-Shelby	VII-104

Opportunity Resources, Inc	VII-105
Parkview Senior Center	VII-106
People First of Anaconda	VII-107
People First of Billings	VII-108
People First of Missoula	VII-109
Phillips County Council on Aging	VII-110
Phillips County Good Samaritan Nursing Center	VII-111
Pondera County Council on Aging	VII-112
Quality Life Concepts, Inc	VII-113
R & H Transportation & Delivery Service	VII-114
Ravalli Services	VII-115
Reach, Inc	VII-116
Regional Services	VII-117
Richey Senior Citizen's Center	VII-118
Richland County Commission on Aging	VII-119
Richland Opportunities, Inc	VII-120
Riverside Health Care Center	VII-121
Rocky Mountain Development Council	VII-122
Roosevelt Memorial Medical Center & Nursing Home	VII-123
Roundup Memorial Hospital & Musselshell County Medical Center	VII-124
Sanders County Council on Aging	VII-125
Senior Citizens of Lincoln County	VII-126
Sidney Health Center-Extended Care	VII-127
Silver Linings, Inc	VII-128
South Park Senior Center	VII-129
Special Friends Advocacy Program (and People First)	VII-130
Special K Ranch	VII-131
Spring Meadow Resources	VII-132
St. Luke N.H. Hospital	VII-133
St. Regis Senior Citizens Center	VII-134
Stevensville Senior Center	VII-135
Thompson Falls Senior Citizens Center, Inc	VII-136
Tobacco Valley Senior Citizens, Inc	VII-137
Toole County Council on Aging	VII-138
Treasure County Senior Citizens Club	VII-139
Trout Creek Senior Center	VII-140
Valley Senior Citizens	VII-141
West Yellowstone Foundation Galavan Bus	VII-142
Wheatland County Senior Citizen's Center	VII-143
Wibaux County Nursing Home	VII-144
Wibaux County Senior Citizens	VII-145
Yellowstone County Council on Aging	VII-146

VIII	EXISTING NEED - 1999 BASE YEAR DATA	VIII-1
	Introduction	VIII-1
	Rural General Public/Urban Areas	VIII-1
	Mobility Gap Methodology	VIII-1
	Demographic Data	VIII-2
	NPTS Trip Generation Rates	VIII-2
	Mobility Gap	VIII-2
	Disabled Population	VIII-3
	Program Trips	VIII-8
	County Summary	VIII-10
	Percent of Mobility Gap Filled	VIII-12
IX	2010 NEED - TRANSIT NEED PROJECTIONS	IX-1
	Introduction	IX-1
	Transit Scenarios	IX-1
	Scenario A - Maintain Existing Service	IX-1
	Scenario B - Expansion of Service	IX-1
	Scenario C - Enhancement of Service	IX-2
	Financial Resource Requirements	IX-2
	Trips Provided	IX-2
	Transit Need	IX-3
	Percent of Need Met	IX-3
	Operating Costs	IX-3
	Capital Costs	IX-4
	Replacement Vehicles	
	Additional Vehicles for Additional Service	IX-4
	Summary	IX-6
	2010 County Transit Need Profiles	IX-8
	Montana Statewide Summary	IX-9
	Beaverhead County	IX-10
	Big Horn County	IX-11
	Blaine County	IX-12
	Broadwater County	IX-13
	Carbon County	IX-14
	Carter County	IX-15
	Cascade County	IX-16
	Chouteau County	IX-17
	Custer County	IX-18
	Daniels County	IX-19
	Dawson County	IX-20
	Deer Lodge County	IX-21
	Fallon County	IX-22
	Fergus County	IX-23
	Flathead County	IX-24

	Gallatin County	IX-25
	Garfield County	IX-26
	Glacier County	IX-27
	Golden Valley County	IX-28
	Granite County	IX-29
	Hill County	IX-30
	Jefferson County	IX-31
	Judith Basin County	IX-32
	Lake County	IX-33
	Lewis and Clark County	IX-34
	Liberty County	IX-35
	Lincoln County	IX-36
	Madison County	IX-37
	McCone County	IX-38
	Meagher County	IX-39
	Mineral County	IX-40
	Missoula County	IX-41
	Musselshell County	IX-42
	Park County	IX-43
	Petroleum County	IX-44
	Phillips County	IX-45
	Pondera County	IX-46
	Powder River County	
	Powell County	
	Prairie County	
	Ravalli County	
	Richland County	
	Roosevelt County	
	Rosebud County	
	Sanders County	
	Sheridan County	
	Silver Bow County	
	Stillwater County	
	Sweet Grass County	
	Teton County	
	Toole County	
	Treasure County	
	Valley County	
	Wheatland County	
	Wibaux County	
	Yellowstone County	
X	TRANSIT NEEDS SUMMARY	X-1
	Study Purpose	
	J 1	

Unmet Transit Needs	X-1
Importance of Transit	X-2
Statewide Transportation Planning	X-3
Coordination Efforts	
Recommendations	X-6

APPENDIX A: Bibliography

APPENDIX B: TCRP Program Trip Rates

APPENDIX C: Transit Agency Survey Form

APPENDIX D: Social Services Transportation Survey Form

APPENDIX E: List of Agencies Surveyed

APPENDIX F: Detailed Calculation Per County

### **LIST OF TABULATIONS**

<u>Table</u>	Title	Page
I-1	Montana Statewide Rural Passenger Needs Study Advisory Comm	itteeI-5
II-1	Person-Trip Rates	II-5
II-2	Weighted Household Size	
II-3	Weighted Household Trip Rates	
II-4	Mobility Gap Trip Rates	
III-1	1990 Population by Age Group	III-2
III-2	Race by County	III-5
III-3	Mode of Travel to Work	III-14
III-4	Travel Time to Work by County	III-15
III-5	Population Projections for Montana Counties, 1991-2020	III-20
IV-1	Completed Transit Agency Survey Responses	IV-2
IV-2	Completed Social Services Agency Survey Responses	IV-4
VI-1	Montana Transit Providers	VI-1
VII-1	Agencies Serving Participants with Mobility Impairments	VII-2
VII-2	Types of Services Provided	VII-7
VII-3	Type of Transportation Used to Access Service	VII-10
VII-4	Transportation Provided Directly by Agency	VII-11
VII-5	Limitations on Types of Participants Receiving Transportation	VII-13
VII-6	Why Trips are Limited	VII-14
VII-7	Service Improvements Ratings	VII-16
VIII-1	1998 Demographic Data Estimates	VIII-4
VIII-2	Mobility Gap for Montana Counties	VIII-5
VIII-3	Existing General Public Daily Transit Need	VIII-6
	Existing Disability Transit Need	
VIII-5	Existing Annual Program-Trip Need Estimates	VIII-9
	Existing Transit Need Estimates by County	
	Existing Service Measures by County	
IX-1	2010 Transit Need Estimates by County	IX-7

### **LIST OF ILLUSTRATIONS**

Figure	Title	Page
•		
III-1	Population Density by County	III-3
III-2	Population Density by Census Tract	III-4
III-3	Top 5 Counties in Montana (race)	III-6
III-4	Elderly Population by Census Tract	III-8
III-5	Mobility Impaired Population by Census Tract	III-9
III-6	Zero Vehicle Households by Census Tract	III-10
III-7	Per Capita Income by County	III-12
III-8	Households with Public Assistance Income by County	
III-9	Top 5 Counties with Persons (mode)	III-16
III-10	Top 5 Counties with Persons (mode)	
III-11	Top 5 Counties Traveling to Work	III-18
III-12	Montana County Population—Total Numeric Change 1990 to 1998	III-21
III-13	Montana County Population—Percent Change 1990 to 1998	III-22
IV-1	Survey Recipients	IV-3
VII-1	Limitations of Public Transportation	.VII-4
VII-2	Agency Types	.VII-6
VII-3	Age Groups Served	.VII-8
VII-4	Agencies' Policies Toward Charging for Transportation	
VII-5	Sources of Funding for TransportationV	/II-12
VII-6	Types of Trips with Difficulty Obtaining Transportation	/II-15
VII-7	Agency Perception of Community Support for Transportation	
	ImprovementsV	/II-17
VIII-1	Percent of Transit Need Being Met – by County	III-14